

Nur für Forschungszwecke

MMP9 (N-terminal) Polyklonaler Antikörper



Katalog-Nr.:10375-2-AP

Vorgestelltes Produkt

916 Publikationen

Allgemeine Informationen

Katalog-Nr.: 10375-2-AP	GenBank-Zugangsnummer: BC006093	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 400 µg/ml von Nanodrop;	GeneID (NCBI): 4318	Empfohlene Verdünnungen: WB 1:500-1:3000 IHC 1:50-1:500 IF 1:200-1:800
Wirt: Kaninchen	Vollständiger Name: matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	
Isotyp: IgG	Berechnete Masse: 707 aa, 78 kDa	
Immunogen Katalognummer: AG0552	Beobachtete Masse: 67 kDa, 92 kDa	

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, ELISA, IF, IHC, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Fisch, Hamster, Hausschwein, Human, Kaninchen, Maus, Ratte, Rind

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : Jurkat-Zellen, HEK-293-Zellen, HepG2-Zellen, LNCaP-Zellen, MDA-MB-231-Zellen, Raji-Zellen

IHC : humanes Mammakarzinomgewebe, humanes Zervixkarzinomgewebe

IF : HepG2-Zellen,

Hintergrundinformationen

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, tissue remodeling, and disease processes, such as arthritis or metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. Matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) (MMP9, synonyms: GELB, CLG4B) degrades collagens type IV and V. Studies in rhesus monkeys suggest that MMP9 is involved in IL-8-induced mobilization hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling. The pro-MMP9 is 92 kDa, and it can be detected a processed form of 68 kDa. This protein can exist as a dimer of 180 kDa (PMID:7492685).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Dayun Feng	36179025	Sci Adv	IF
Yu Chen	36240716	Tissue Cell	WB,IHC
Samana Batool	30274346	Int J Mol Sci	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

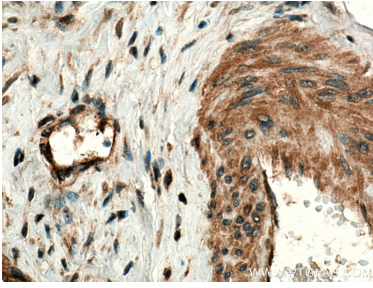
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

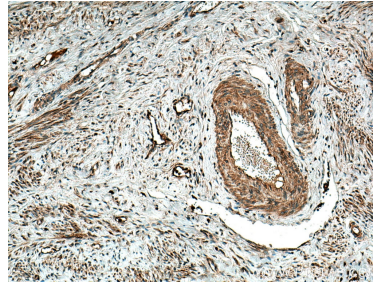
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

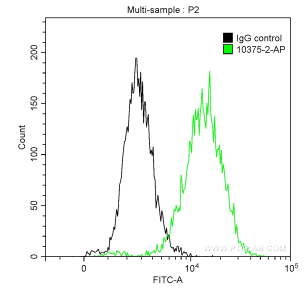
Ausgewählte Validierungsdaten



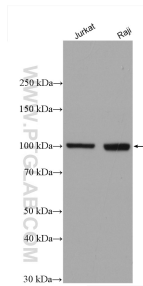
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 10375-2-AP (MMP9 (N-terminal) antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



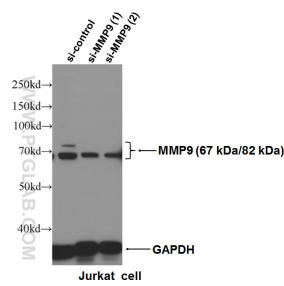
Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 10375-2-AP (MMP9 (N-terminal) antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



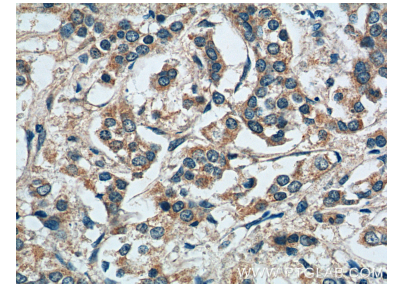
1X10⁶ HeLa cells were intracellularly stained with 0.2 ug Anti-Human MMP9 (N-terminal) (10375-2-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.



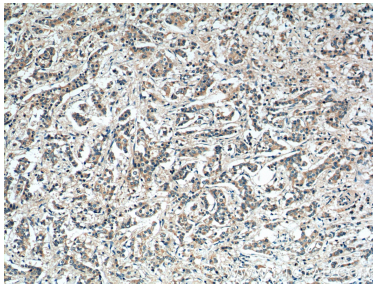
Various lysates were subjected to SDS PAGE followed by western blot with 10375-2-AP (MMP9 (N-terminal) antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



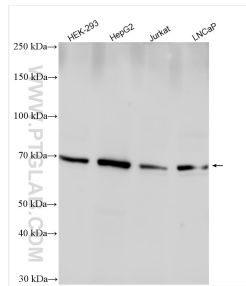
WB result of MMP9 antibody (10375-2-AP, 1:600) with si-control and si-MMP9 transfected Jurkat cells.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10375-2-AP (MMP9 (N-terminal) antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 10375-2-AP (MMP9 (N-terminal) antibody) at dilution of 1:200 (under 10x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 10375-2-AP (MMP9 (N-terminal) antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using MMP9 (N-terminal) antibody (10375-2-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).